

PATENT

Case Docket No. IMEC285.001AUS

Date: February 9, 2004

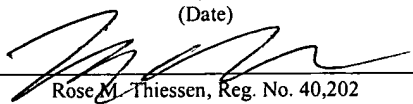
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Bilyalov, et al.  
Appl. No. : 10/658,114  
Filed : September 8, 2003  
For : PHOTOVOLTAIC DEVICE  
Examiner : Unassigned  
Group Art Unit : 1753

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

February 9, 2004

(Date)

  
Rose M. Thiessen, Reg. No. 40,202

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with nine (9) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.



Rose M. Thiessen  
Registration No. 40,202  
Attorney of Record  
Customer No. 20,995  
(619) 235-8550

BEST AVAILABLE COPY

## INFORMATION DISCLOSURE STATEMENT

Applicant : Bilyalov, et al.  
App. No. : 10/658,114  
Filed : September 8, 2003  
For : PHOTOVOLTAIC DEVICE  
Examiner : Unassigned  
Group Art Unit : 1753

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 9 references that are also enclosed.

This Information Disclosure Statement is being filed before the mailing date of a final action under 37 C.F.R. § 1.113 and before the mailing date of a Notice of Allowance under § 1.311. A certification under 37 C.F.R. § 1.97(e) is set forth below. Thus, no fee is required as set forth in 37 C.F.R. § 1.97(c).

CERTIFICATION UNDER 37 C.F.R. § 1.97(e)(1)

I hereby certify that each item of information contained in this Statement was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months days/months prior to the filing of this Information Disclosure Statement.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: Feb 9, 2004

By: 

Rose M. Thiessen  
Registration No. 40,202  
Attorney of Record  
Customer No. 20,995  
(619) 235-8550

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
IMEC285.001AUSAPPLICATION NO.  
10/658,114INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT  
Bilyalov, et al.FILING DATE  
September 8, 2003GROUP  
1753

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1	JP03-235371	1/14/92	Japan (abstract only)				x
	2	JP05-283723	2/3/94	Japah (abstract only)				x

EXAMINER  
INITIAL

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	3	Bilyalov, et al., "Porous silicon as an intermediate layer for thin-film solar cell", Solar Energy Materials and Solar Cells, Elsevier Science Publishers, Amsterdam, Vol. 65, No. 1-4, Jan. 2001, pp. 477-485.
	4	Jin, et al., "Transmission electron microscopy investigation of the crystallographic quality of silicon films grown epitaxially on porous silicon", Journal of Crystal Growth, North-Holland Publishing Co., Amsterdam, Vol. 212, No. 1-2, 2000, pp. 119-127.
	5	Chang, et al., "Study and Fabrication of Pin Photodiode by using ZnSe/Ps/Si Structure", IEEE Transactions on Electron Devices, IEEE Inc., New York, Vol. 47, No. 1, January 1, 2000, pp. 50-54.
	6	Rubino, et al., "Amorphous/porous heterojunction on thin microcrystalline silicon", Journal of Non-Crystalline Solids, North-Holland Publishing Co., Amsterdam, Vol. 266-269, May 2000, pp. 1044-1048.
	7	Yerokhov, et al., "Porous silicon in solar cell structures: a review of achievements and modern directions of further use", Renewable and Sustainable Energy Reviews, Elsevier Science, New York, Vol. 3, No. 4, December 1999, pp. 291-322.
	8	Palsule, et al., "Electrical and optical characterization of crystalline silicon/porous silicon heterojunctions", Solar Energy Materials and Solar Cells, Elsevier Science Publishers, Amsterdam, Vol. 46, No. 4, July 1, 1997, pp. 261-269.
	9	European Search Report for Application No. EP 03 44 7226 (mailed December 15, 2003).

S:\DOCS\IRMT\IRMT-3021.DOC  
020604

BEST AVAILABLE COPY

EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED. WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	